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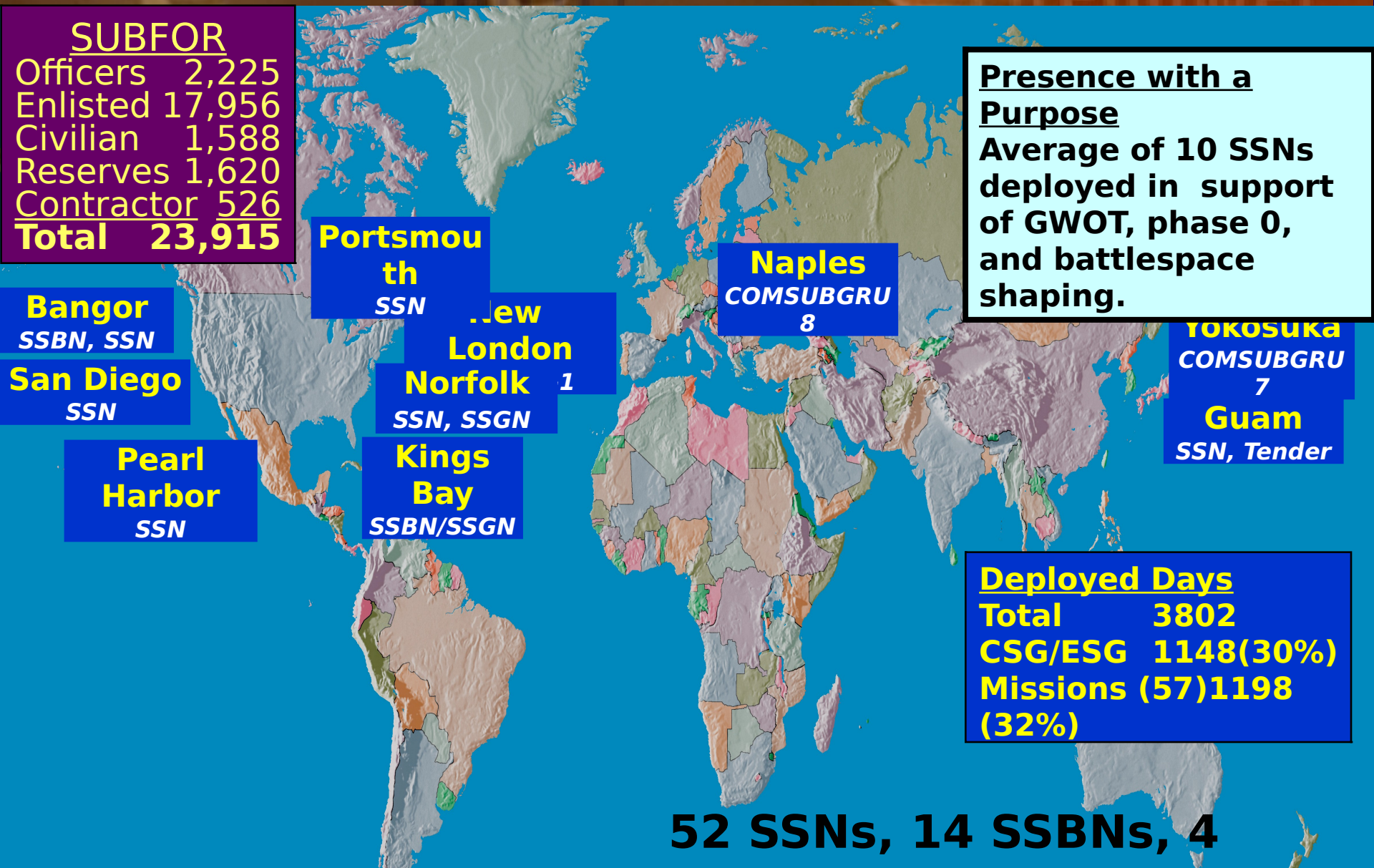
Submarine Force Brief

Who We Are


SUBFOR
Officers 2,225
Enlisted 17,956
Civilian 1,588
Reserves 1,620
Contractor 526
Total 23,915
Portsmouth
SSN
Bangor
SSBN, SSN
San Diego
SSN
Pearl Harbor
SSN
New London
Norfolk
SSN, SSGN
Kings Bay
SSBN/SSGN
Naples
COMSUBGRU 8
Yokosuka
COMSUBGRU 7
Guam
SSN, Tender
Presence with a Purpose
Average of 10 SSNs deployed in support of GWOT, phase 0, and battlespace shaping.
Deployed Days
Total 3802
CSG/ESG 1148(30%)
Missions (57)1198 (32%)
52 SSNs, 14 SSBNs, 4

Submarine Operations

- **Undersea Warfare (USW)**
- **Global War on Terror (GWOT) & Maritime Security Operations**
- **ISR / Maritime Monitoring**
- **Information Operations**

Spectrum of Submarine Warfare

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Stealth... Agility... Endurance... Firepower

PEACE | **Intelligence: Battlespace Preparation** | **Pre-Hostilities** | **Conflict Escalation** | **WAR**

Precision Strike
Anti-Submarine Warfare
Anti-Ship Warfare
Offensive Mining
Special Operations Forces Support
Mine Reconnaissance
Information Operations
Intelligence Preparation of Battlespace (IPB)
Indication and Warning (I&W)
Intelligence/Surveillance/Reconnaissance
Strategic Deterrence (conducted by

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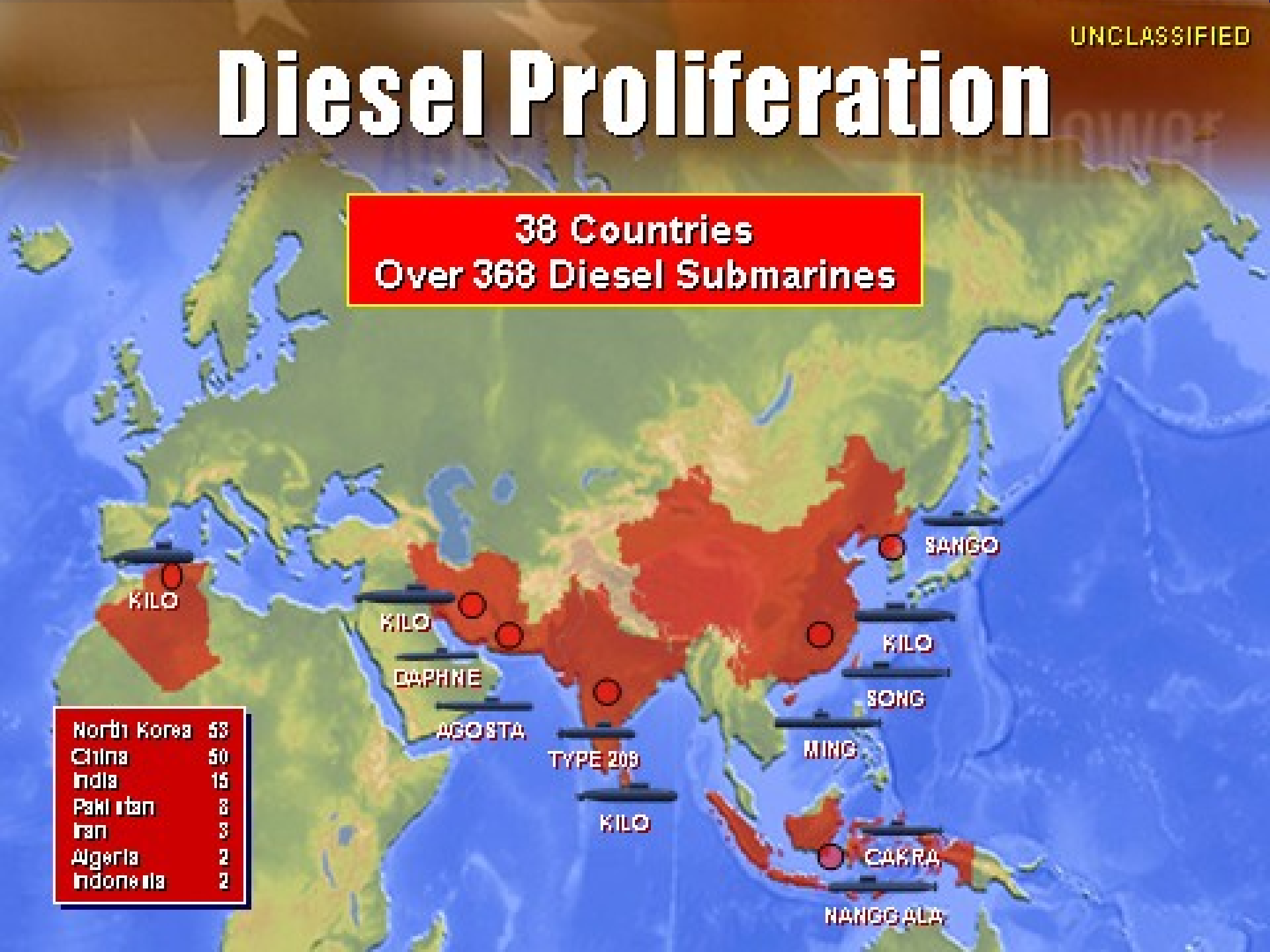
Diesel Proliferation

38 Countries
Over 368 Diesel Submarines



North Korea	53
China	50
India	15
Pakistan	8
Iran	3
Algeria	2
Indonesia	2

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Trident Submarines

Cornerstone of Strategic Deterrence

- 54% of warheads
- 100% of survivable warhead
- 35% of strategic personnel
- 19% of strategic budget
- Over 3600 SSBN patrols since 1960 (770 Trident patrols)

Arctic Operations

Arctic Operations

Submarine Operations

- Undersea Warfare (USW)
- **Global War on Terror (GWOT)**
- The Road Ahead

Submarine Support to GWOT

- Intelligence, Surveillance, Reconnaissance
- Information Operations
- Strike (Tomahawk missiles)
- New VIRGINIA Class of attack submarines were designed for post-Cold War environments
- Littoral (Shallow Water) Operations
- SOF insertion
- NARCO Terrorism

Operation Iraqi Freedom

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12 U.S. SSNs
2 UK SSNs

SEAL Delivery

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Advanced SEAL Delivery System

Submarine Operations

- Undersea Warfare (USW)
- Global War on Terror (GWOT)
- **The Road Ahead**

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Homeland Defense Capabilities

- **ISR / Maritime Monitoring**
- **Information Operations**
- **Decisive Ship Stopping power**

International Cooperation

- DESI Program
- Submarine Escape and Rescue
  - ISMERLO
  - Escape and Rescue Working Groups

"The 1,000-ship Navy is about the voluntary development of a network that vastly increases the number of sensors available to monitor security in the maritime domain while increasing the number of responders capable of ensuring maritime security."

-- Proceedings, Nov. 2005

Diesel Electric Submarine Initiative

- **DESI Fleet Exercise Support Program:**
  - First deployment 2001
  - Improve coordination of international naval operations
  - Train USN using real-world SSKs
- **Participants**: Colombia, Peru, Chile and Canada
  - Possible future participants: Argentina, Brazil, Ecuador, and Norway
- **450 ASW Exercise days over 9 deployments**

International Submarine Escape and Rescue Liaison Office (ISMERLO)

- **Coordinate world-wide efforts to assist distressed submarine**
- **Web-based monitoring, incident notification and information exchange: www.ismerlo.org**
- **37 of 42 submarine operating nations participate – including Russia**
- **Exercise Facilitator - utilize website for LIVEX and CPX**
- **Successes:**
  - **Canadian HMCS Chicoutimi casualty off UK in October 2004**
  - **Russian AS-28 PRIZ rescue off Kamchatka in August 2005**

ISMERLO – PRIZ Example

- **Upon notification, ISMERLO alert generated via SMS and text beeper**
- **Used web and telephone conferences to keep nations, logistics, and responders coordinated**
- **Russia, US, UK, France, Sweden, Australia, and Japan offered or provided rescue assets**

National Participation and website updates are essential for providing decision makers real time information and data

VIRGINIA Class

- Built to replace aging Los Angeles class submarines
- Designed for post-Cold War security environment
- USS Virginia commissioned Oct 2004
  - Deployed Oct. 2005
- USS Texas, USS Hawaii commissioned Sep 2006, May 2007

USS Virginia (SSN 774)

SSGN

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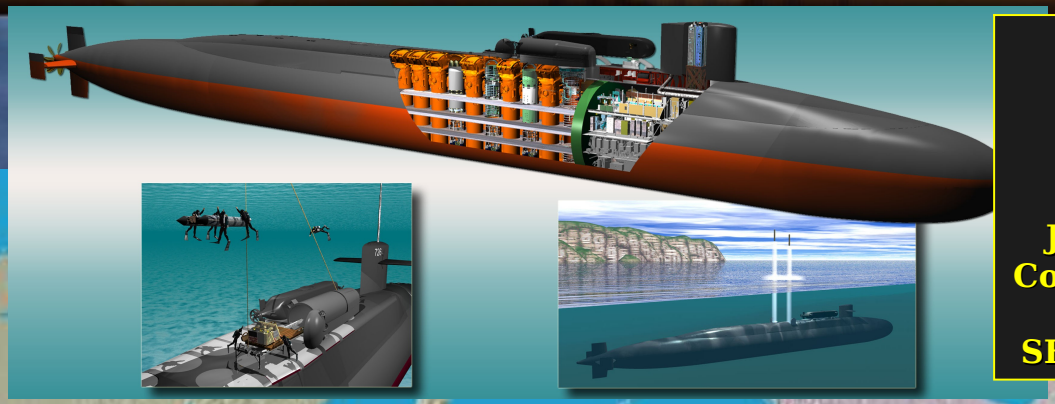
SSGN

SSGN



154 TLAM
66 SOF for more than 60 Days
2 DDS / ASDS
8 Modular SOF Storage Canisters
Battle Management Center:
Joint Connectivity and Organic C2 Capability
Comms suite has double the antennas of an SSN
SOF Habitability & Training Facilities
SEASUB – Lock-In/Lock-Out, Ordnance Package

4 SSGNs = 2 to 3 in theater at all times

Submarine Force Emphasis

- **Maximize Operational Readiness**
- **Leaders who make right decisions**
- **Right people in the right places**
- **Adequate future capabilities**

UNITED STATES SUBMARINE FORCE

We Go Where Others Can't . . .